

10/578228

AP20 Rec'd PCT/PTO 04 MAY 2006  
Attorney Docket No. 0670-7074

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
Masaru TANIGUCHI ) New Applications  
Based on PCT/JP2004/016620 )  
Filed: November 2, 2004 )  
For: MODULATING APPARATUS, )  
MOBILE COMMUNICATION )  
SYSTEM, MODULATING METHOD, )  
AND COMMUNICATION METHOD )

**INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner of Patents  
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Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing information known to Applicant and requests that this information be made of record in the above identified application. Copies are submitted herewith in accordance with 37 C.F.R. 1.98(a).

Copies of U.S. patents and U.S. publications are not enclosed in accordance with the Notice published in the Official Gazette on August 5, 2003 entitled *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*, which waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. publication.

10/578228

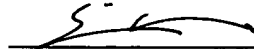
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Attorney Docket No. 0670-7074

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U.S. Patent No. 5,761,243; DE 694 30 284; BE 1007528 and EP 0 644 677 are  
in the family of JP 07-177183.

Respectfully submitted,



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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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| Substitute for form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |             |   |  | <i>Complete if Known</i>                     |  |
|   |             |   |  | Application Number <b>10/578228</b>          |  |
|   |             |   |  | Filing Date <b>May 4, 2006</b>               |  |
|   |             |   |  | First Named Inventor <b>Masaru TANIGUCHI</b> |  |
|   |             |   |  | Group Art Unit                               |  |
|   |             |   |  | Examiner Name                                |  |
| Sheet <b>1</b>  | of <b>1</b> | Attorney Docket Number <b>0670-7074</b> |  |  |  |

| U.S. PATENT DOCUMENTS          |                       |                      |   |   |   |   |
|--------------------------------|-----------------------|----------------------|---|---|---|---|
| Examiner Initials <sup>*</sup> | Cite No. <sup>1</sup> | U.S. Patent Document |   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                                |                       | Number               | Kind Code <sup>2</sup><br><i>(if known)</i> |   |   |   |
|                                |                       | 5,761,243            |   | Russell et al.                                  | 06/02/1998  |   |
|                                |                       |                      |   |   |   |   |
|                                |                       |                      |   |   |   |   |
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| FOREIGN PATENT DOCUMENTS       |                       |                         |                     |   |   |   |   |                   |
|--------------------------------|-----------------------|-------------------------|---------------------|---|---|---|---|-------------------|
| Examiner Initials <sup>*</sup> | Cite No. <sup>1</sup> | Foreign Patent Document |                     |   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>4</sup>    |
|                                |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup><br><i>(if known)</i> |   |   |   |                   |
|                                |                       | JP                      | 07-177183           |   |   | 07/14/1995  |   | Abst. & US equiv. |
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|                                |                       |                         |                     |   |   |   |   |                   |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials <sup>*</sup>                    | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|   |                       | International Search Report for PCT/JP2004/016620.  |                |

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